

SEP 21 1998

| Form PTO-1449<br>U.S. DEPARTMENT OF COMMERCE (Rev. 7-80)<br>PATENT AND TRADEMARK OFFICE<br><br>LIST OF PRIOR ART CITED BY APPLICANT<br>(Use several sheets if necessary)   |                           | ATTORNEY DOCKET NO.: 19191.0002   |          |                  | SERIAL NO. 09/091,578 |          |                            |
|--|---------------------------|---|----------|------------------|-----------------------|----------|----------------------------|
|  |                           | APPLICANT: Madison and Smith  |          |                  |                       |          |                            |
|  |                           | FILING DATE: June 19, 1998  |          |                  | GROUP:                |          |                            |
| U.S. PATENT DOCUMENTS  |                           |   |          |                  |                       |          |                            |
| EXAMINER INITIAL   |                           | DOCUMENT NO.  | DATE     | NAME             | CLASS                 | SUBCLASS | FILING DATE IF APPROPRIATE |
| MD   | AA                        | 5,622,699   | 04/22/97 | Ruoslahti et al. | 424                   | 93-8     |                            |
| MD   | AB                        | 5,359,046   | 10/25/94 | Capon et al.     | 536                   | 23-4     |                            |
| FOREIGN PATENT DOCUMENTS   |                           |   |          |                  |                       |          |                            |
| MD   | AC                        | WO 98/10795   | 19/03/98 | Ruoslahti et al. | A61K-                 | 47/48-   |                            |
| MD   | AD                        | WO 97/10507   | 20/03/97 | Ruoslahti et al. | G01N-                 | 33/367-  |                            |
| MD   | AE                        | WO 95/14714   | 01/06/95 | Ruoslahti et al. | E07K-                 | 14/75-   |                            |
| MD   | AF                        | WO 94/19017   | 01/09/94 | Allaway et al.   | A61K-                 | 39/42-   |                            |
| OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)   |                           |   |          |                  |                       |          |                            |
| MD   | AG                        | Pasqualini, R. and Ruoslahti, E. "Organ Targeting In vivo Using Phage Display Peptide Libraries" <i>Nature</i> 380:364-366, March 28, 1996  |          |                  |                       |          |                            |
| MD   | AH                        | Bei et al. "Baculovirus Expression of a Functional Single-Chain Immunoglobulin and its IL-2 Fusion Protein" <i>J. Immunol. Meth.</i> 186:245-255, 1995  |          |                  |                       |          |                            |
| MD   | AI                        | Bäckström et al. "Characterization of an Internal Permissive Site in the Cholera Toxin B-subunit and Insertion of Epitopes from Human Immunodeficiency Virus-1, Hepatitis B Virus and Enterotoxigenic <i>Escherichia coli</i> " <i>Gene</i> 165:163-171, 1995 |          |                  |                       |          |                            |
| MD   | AJ                        | Smith et al. "Building Synthetic Antibodies as Adhesive Ligands for Integrins" <i>J. Biol. Chem.</i> 269(52):32788-32795, December 30, 1994   |          |                  |                       |          |                            |
| MD   | AK                        | Cheon et al. "High-affinity Binding Sites for Related Fibroblast Growth Factor Ligands Reside Within Different Receptor Immunoglobulin-like Domains" <i>Proc. Natl. Acad. Sci. USA</i> 91:989-993, February 1994  |          |                  |                       |          |                            |
| MD   | AL                        | Shin et al. "Functional Properties of Antibody Insulin-like Growth Factor Fusion Proteins" <i>J. Biol. Chem.</i> 269(7):4979-4985, February 18, 1994  |          |                  |                       |          |                            |
| MD   | AM                        | Hearst, D. and Cohen, F. "Grafter: A Computational Aid for the Design of Novel Proteins" <i>Protein Engineering</i> 7(12):1411-1421, 1994   |          |                  |                       |          |                            |
| MD   | AN                        | Duarte et al. "Multiepitope Polypeptide of the HIV-1 Envelope Induces Neutralizing Monoclonal Antibodies Against V3 Loop" <i>AIDS Res. and Human Retroviruses</i> 10(3):235-239, 1994   |          |                  |                       |          |                            |
| MD   | AO                        | Lorimier et al. "NMR-Derived Solution Conformations of a Hybrid Synthetic Peptide Containing Multiple Epitopes of Envelope Protein gp120 from the RF Strain of Human Immunodeficiency Virus" <i>Biochem.</i> 33:2055-2062, 1994                               |          |                  |                       |          |                            |
| MD   | AP                        | Shin, Seung-Uon "Chimeric Antibody: Potential Applications for Drug Delivery and Immunotherapy" <i>Biotherapy</i> 3:43-53, 1991   |          |                  |                       |          |                            |
| EXAMINER: <i>Marianne J. B.</i>  | DATE CONSIDERED: 10/20/99 |   |          |                  |                       |          |                            |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. |                           |   |          |                  |                       |          |                            |